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HYDROBLASTERS - HYDROKLEEN - HYDROPAD

www.hydroblaster.com

# Safety Data Sheet

## Section 1. Identification

**Product identifier** Hydro-Biodigesters  
**Other means of identification** HBD-O  
**Product Description** HBD Hydro-Biodigesters Oil Waste Formula, Dry Powder  
**Recommended use** Not available.  
**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Supplier

**Company name** Hydro Engineering, Inc.  
**Address** 865 W 2600 S  
 Salt Lake City, UT 84119  
**Telephone** 800-247-8424  
**Website** <http://www.hydroblaster.com>  
**Emergency phone number** Chemtrec Within US & Canada: 800-424-9300

## Section 2. Hazard(s) identification

**Eyes** May cause irritation  
**Skin** May cause slight irritation  
**Inhalation** Inhalation of dust in high concentrations may cause irritation of respiratory system  
**Ingestion** Non-toxic by ingestion  
**Physical and Chemical Hazards** Possible explosive dust hazard typical of fine-powder organic substances.

## Section 3. Composition/information on ingredients

Description: Powdered Microbial-Cultures and Enzymes

Chemical Name	CAS No.	% Composition	OSHA – PEL	ACGIH – TLV-TWA
Whey (as nuisance dust, Total)	92129-90-3	>90%	15mg/m3	10mg/m3
Hydrated Silicon Dioxide (as nuisance dust, Total)	7631-86-9	<1%	15mg/m3	10mg/m3
Freeze-dried microbial cultures and enzymes		Trade Secret	Not Listed	Not Listed

Exact percentages of ingredients, microbial species, and enzyme types are withheld in order to protect trade secrets.

## Section 4. First-aid measures

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes. If irritation persists, consult a physician.  
**Skin contact** Wash off immediately with plenty of water. If irritation persists, consult a physician.  
**Inhalation** If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritations or distress continues.  
**Ingestion** Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician.  
**Notes to Physician** Treat symptomatically.

## Section 5. Fire-fighting measures

<b>Flammable properties</b>	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Suitable extinguishing methods</b>	Use water-spray, fog, carbon-dioxide, foam, or dry chemical
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus with pressure demand and full protective gear.

## Section 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures</b>	Avoid contact with skin and eyes
<b>Methods for containment</b>	Prevent dust cloud
<b>Methods for cleanup</b>	Sweep or scoop into suitable container for disposal. Avoid dust formation. After product recovery, flush area with water.

## Section 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid inhalation, ingestion, and contact with skin and eyes.
<b>Conditions for safe storage, including any incompatibilities.</b>	Store in original container. Keep container tightly closed. Check the Product Description for storage temperature.
<b>Technical Measures/Precautions</b>	This product may present a dust explosive hazard, minimize dust generation and accumulation.

## Section 8. Exposure controls/personal protection

<b>Exposure Guidelines</b>	OSHA PEL 15mg/m3 ACGIH TLV 10mg/m3
<b>Occupational Exposure Controls</b>	
<b>Engineering Measures</b>	Ensure adequate ventilation. Local exhaust ventilation of dust at the point of generation.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practices.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection</b>	Tightly fitting safety goggles
<b>Skin and Body Protection</b>	Wear protective gloves/clothing
<b>Respiratory Protection</b>	No protective equipment needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation, appropriate respirator, or evacuation may be required.

## Section 9. Physical and chemical properties

<b>Appearance</b>	Off-white to tan	<b>Odor</b>	Dairy/fermentation product
<b>Physical State</b>	Powdered Solid	<b>pH</b>	5.5-6.5 (10% solution)
<b>Melting/Freezing Point</b>	Unknown	<b>Boiling Point/Range</b>	Unknown
<b>Flash Point</b>	Unknown	<b>Evaporation Rate</b>	Unknown
<b>Flammability</b>	Must be preheated	<b>Explosion Limits</b>	Unknown
<b>Vapor Pressure</b>	Unknown	<b>Density</b>	0.80g/cm3, tapped
<b>Water Solubility</b>	Very Soluble	<b>Autoignition Temperature</b>	Unknown
<b>Decomposition Temperature</b>	Unknown		

## Section 10. Stability and reactivity

<b>Reactivity</b>	Avoid contact with strong oxidizers
<b>Chemical Stability</b>	Stable
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition</b>	Combustion results in carbon monoxide and carbon dioxide
<b>Conditions to Avoid</b>	Avoid dust formation, heat, flames, and sparks

## Section 11. Toxicological information

### Acute Toxicity

<b>Oral</b>	None Known
<b>Dermal</b>	None Known
<b>Inhalation</b>	No data available

### Irritation

<b>Eye</b>	Dust contact with the eyes can lead to mechanical irritation
<b>Skin</b>	Prolonged or repeated contact may dry skin or cause irritation.
<b>Respiratory</b>	Inhalation of dust in high concentrations may cause irritation of the respiratory system.

### Ingestion

May cause temporary gastrointestinal discomfort

### Sensitization

May cause sensitization of susceptible persons.

### Effects of Short and Long-Term Exposure

No data available

### Symptoms of Exposure

Possible irritation to eyes, skin, or respiratory system

### NTP Report on Carcinogens / IARC Monographs

Not Listed

### Potential OSHA Carcinogen

Not Listed

## Section 12. Ecological information

<b>Persistence and Degradability</b>	No data available; readily biodegradable components and viable microorganisms
<b>Ecotoxicological Information</b>	No data available
<b>Adverse effects</b>	None Expected

## Section 13. Disposal considerations

This material is not considered hazardous wastes according to Federal regulations (40-CFR-261). Consult local, regional, or state regulations for additional requirements.

## Section 14. Transport information

Not classified as dangerous with respect to transport regulations

## Section 15. Regulatory information

Hazard Rating

HMIS							
Health		Flammability		Reactivity		PPE	
2	Temporary or minor injury may occur	1	Must be preheated before ignition will occur.	0	Normally stable	E	Safety Glasses Gloves Dust Respirator

**U.S. Federal Regulations**

Chemical Name	SARA 313 – Threshold Values	CERCLA/SARA – Section 302 Extremely Hazardous
Freeze-dried Microbial Mixture	Not Listed	Not Listed

**U.S. State Regulations**

California – This product does not contain any Proposition 65 Chemicals

**Section 16. Other information, including date of preparation or last revision**

**Issue date** 27-September-2002

**Revision date** 09December20

**Disclaimer**

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